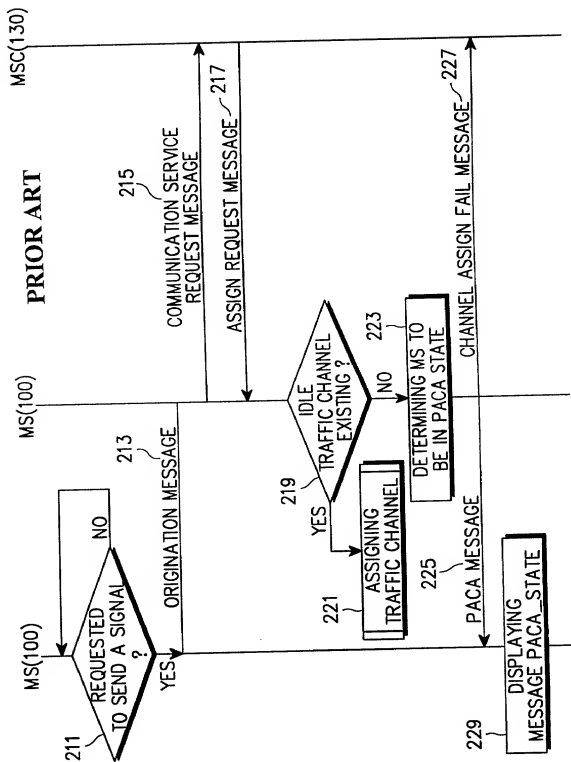


FIG. 1

FIG. 2



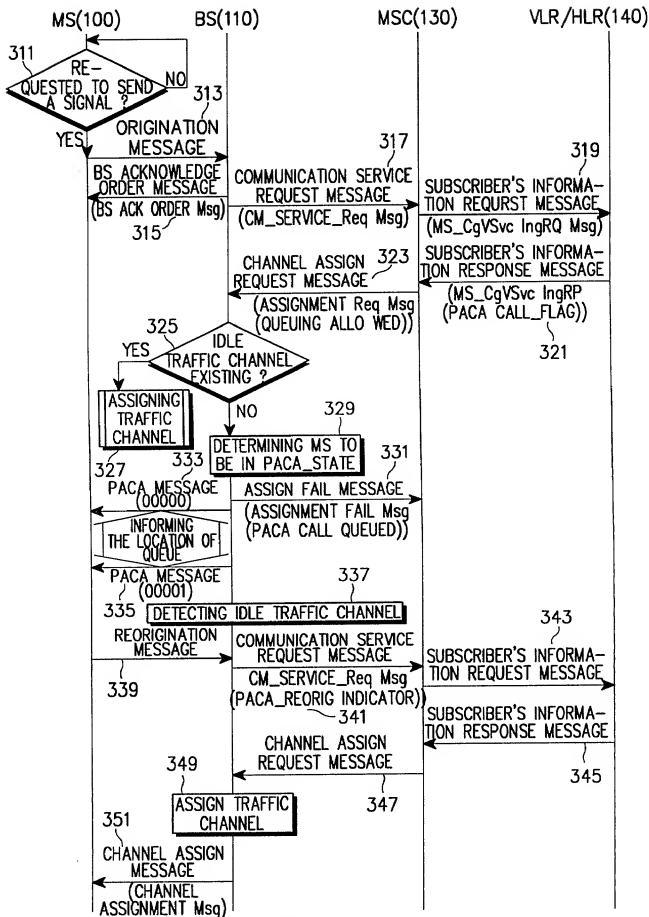


FIG. 3

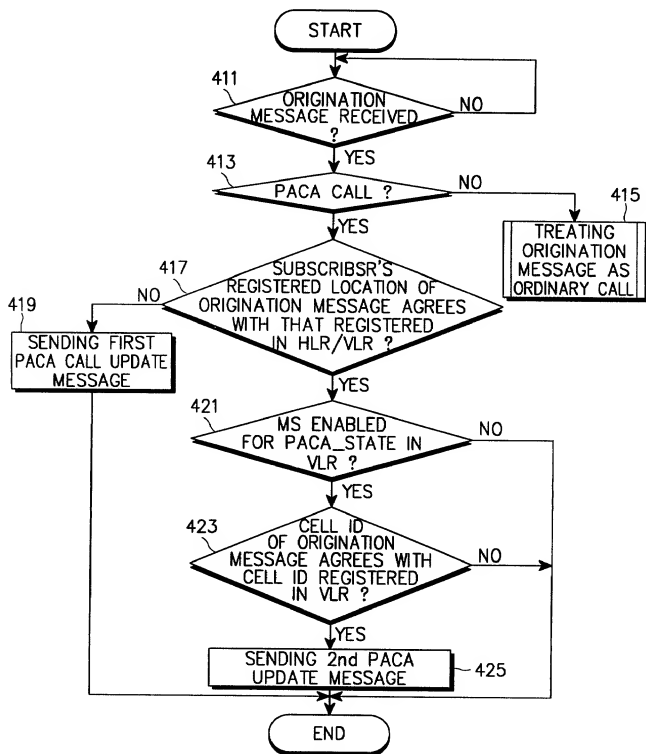


FIG. 4

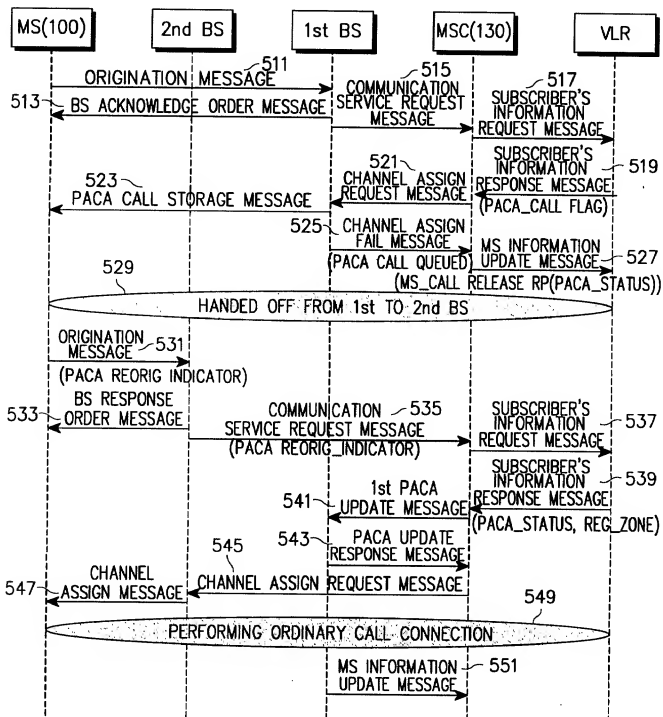


FIG. 5

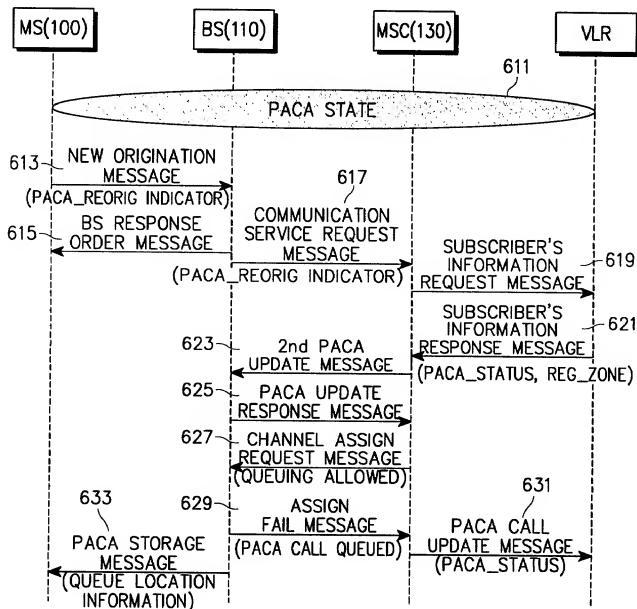


FIG. 6

```

sequenceDiagram
    participant MS as MS(100)
    participant BS as BS(110)
    participant MSC as MSC(130)
    participant VLR as VLR

    Note over MS, BS, MSC, VLR: PAPA STATE (711)

    MS->>BS: 713 PAPA CANCELLATION MESSAGE (PAPA CANCEL)
    BS->>MS: 715 BS RESPONSE ORDER MESSAGE
    BS->>MSC: 717 PAPA UPDATE MESSAGE
    MSC->>VLR: 719 MS PAPA UPDATE MESSAGE (MS_PACA UPDATE RP)
    VLR->>BS: 721 PAPA UPDATE RESPONSE MESSAGE
  
```

Sequence diagram 1000 illustrates the PAPA cancellation and update process. The participants are MS(100), BS(110), MSC(130), and VLR. A shared PAPA STATE (711) is maintained across all participants. The process begins with MS(100) sending a PAPA CANCELLATION MESSAGE (713) to BS(110). BS(110) responds with a BS RESPONSE ORDER MESSAGE (715) to MS(100). BS(110) then sends a PAPA UPDATE MESSAGE (717) to MSC(130). MSC(130) sends an MS PAPA UPDATE MESSAGE (719) to VLR, which is labeled as (MS_PACA UPDATE RP). Finally, VLR sends a PAPA UPDATE RESPONSE MESSAGE (721) back to BS(110).

FIG. 7

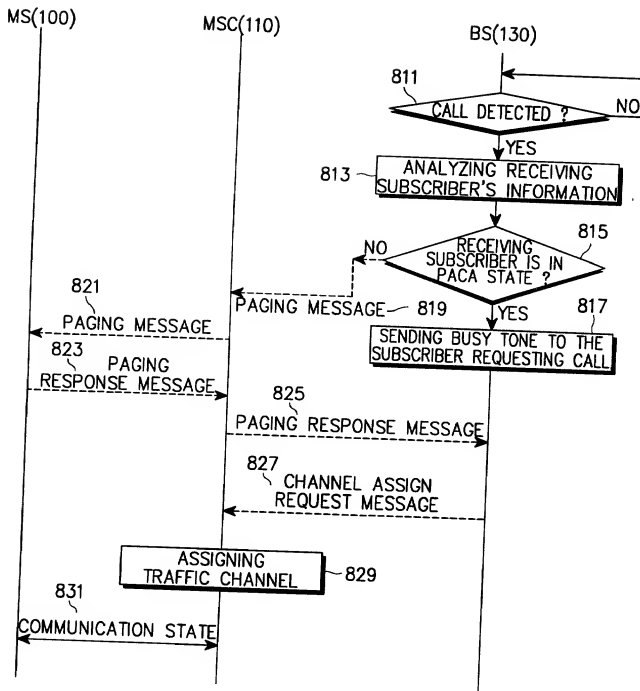


FIG. 8